

Appl. No. 09/998,806
Atty. Docket No. 8317
Amdt. dated 09/16/2003
Reply to Office Action of 4/22/03
Customer number 27752

AMENDMENTS TO THE CLAIMS

1. *(Currently amended)* A multi-layer substrate suitable for incorporation in a premoistened wipe for cleaning surfaces, said substrate comprising:

- (a) at least one reservoir layer; wherein a first reservoir layer has a basis weight of at least about 5 gsm and comprises:
 - (i) from about 5% to about 100%, by weight of said first reservoir layer, of hydrophilic polypropylene fibers and mixtures thereof with other hydrophilic fibers; and
 - (ii) from about 0% to about 95% by weight of said first reservoir layer, of hydrophobic fibers;

wherein the total basis weight of said reservoir layer(s) is from about 10% to about 95% of the total basis weight of said multi-layer substrate; and

- (b) at least one surface contacting layer; wherein a first surface contacting layer has a basis weight of at least about 5 gsm and comprises:
 - (i) from about ~~0%~~ 10% to about 95%, by weight of said first surface contacting layer, of hydrophilic polypropylene fibers and mixtures thereof with other hydrophilic fibers; and
 - (ii) from about 5% to about 100%, by weight of said first surface contacting layer, of hydrophobic fibers;

wherein the total basis weight of said surface contacting layer(s) is from about 10% to about 95% of the total basis weight of said multi-layer substrate.

2. *(Previously presented)* The multi-layer substrate of Claim 1, wherein said first reservoir layer has a basis weight of at least about 15 gsm and comprises: (i) from about 25% to about 80%, by weight of said first reservoir layer, of hydrophilic fibers, and (ii) from about 25% to about 75%, by weight of said first reservoir layer, of hydrophobic fibers, wherein the total basis weight of said reservoir layer(s) is from about 20% to about 80% of the total basis weight of said multi-layer substrate; and wherein said first surface contacting layer has a basis weight of at least about 10 gsm and comprises: (i) from about 10% to about 75%, by weight of said first surface contacting layer, of hydrophilic fibers, and (ii) from about 25% to about 90%, by weight of said first surface contacting

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layer, of hydrophobic fibers, wherein the total basis weight of said surface contacting layer(s) is from about 20% to about 80% of the total basis weight of said multi-layer substrate.

3. (*Previously presented*) The multi-layer substrate of Claim 2, wherein said first reservoir layer has a basis weight of at least about 25 gsm and comprises: (i) from about 40% to about 50%, by weight of said first reservoir layer, of hydrophilic fibers, and (ii) from about 50% to about 60%, by weight of said first reservoir layer, of hydrophobic fibers, wherein the total basis weight of said reservoir layer(s) is from about 35% to about 60% of the total basis weight of said multi-layer substrate; and wherein said first surface contacting layer has a basis weight of at least about 20 gsm and comprises: (i) from about 20% to about 50%, by weight of said first surface contacting layer, of hydrophilic fibers, and (ii) from about 50% to about 80%, by weight of said first surface contacting layer, of hydrophobic fibers, wherein the total basis weight of said surface contacting layer(s) is from about 35% to about 60% of the total basis weight of said multi-layer substrate.

4. (*Currently amended*) The multi-layer substrate of Claim 1, wherein said layers comprise a mixture of said hydrophilic polypropylene and a member ~~hydrophilic fibers~~ are selected from the group consisting of cellulosic fibers, modified cellulosic fibers, cotton, reconstituted or regenerated cellulosic fibers, hydrophilic nylon fibers, polylactic acid fibers, chemically stiffened cellulosic fibers, capillary channel fibers, and mixtures thereof[.]; and wherein said ~~hydrophobic fibers~~ are selected from the group consisting of polyethylene, hydrophobic polypropylene, polyethylene terephthalate, nylon, bicomponent fibers, and mixtures thereof.

5. (*Currently amended*) The multi-layer substrate of Claim 1 [[4]], wherein said reservoir layer comprises a mixture of said hydrophilic polypropylene fibers ~~hydrophilic fibers~~ are and reconstituted or regenerated cellulosic fibers; and wherein said ~~hydrophobic fibers~~ are surface contacting layer comprises a mixture of said hydrophilic polypropylene fibers and a member selected from the group consisting of ~~polypropylene~~[[.]] polyethylene terephthalate fibers reconstituted or regenerated cellulosic fibers, and mixtures thereof.

6. (*Previously presented*) The multi-layer substrate of Claim 1, wherein said multi-layer substrate is essentially free of water swellable polymers.

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7. (*Currently amended*) The multi-layer substrate of Claim 1, wherein said substrate is essentially free of a binder material ~~that is incompatible with a liquid composition.~~
8. (*Previously presented*) The multi-layer substrate of Claim 1, wherein said reservoir layer(s) are formed by a process selected from the group consisting of air laid, carded, cross lapped, spunbond, meltblown, wet laid, extruded, cast film, and combinations thereof.
9. (*Previously presented*) The multi-layer substrate of Claim 8, wherein said reservoir layer(s) are carded.
10. (*Previously presented*) The multi-layer substrate of Claim 1, wherein said surface contacting layer(s) are formed by a process selected from the group consisting of air laid, carded, cross lapped, spunbond, meltblown, wet laid, extruded, cast film, and combinations thereof.
11. (*Previously presented*) The multi-layer substrate of Claim 10, wherein said surface contacting layer(s) are carded.
12. (*Previously presented*) The multi-layer substrate of Claim 1, wherein said reservoir layer(s) and said surface contacting layer(s) are bonded together via a process selected from the group consisting of mechanically bonded, stitch bonded, needlepunched, needlefelted, spunlaced, jetlaced, hydroentangled, apertured, chemically bonded, saturated, print bonded, spray bonded, foam bonded, thermal bonded, point bonded, ultrasonically welded, thermal bonded bicomponent fiber compositions, and combinations thereof.
13. (*Previously presented*) The multi-layer substrate of Claim 12, wherein said reservoir layer(s) and said surface contacting layer(s) are thermally bonded together.
14. (*Previously presented*) The multi-layer substrate of Claim 13, wherein said reservoir layer(s) and said surface contacting layer(s) are thermally point bonded together.
15. (*Previously presented*) The multi-layer substrate of Claim 1, wherein said multi-layer substrate consists of two layers.

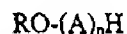
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16. *(Currently amended)* The multi-layer substrate of Claim 1, wherein said multi-layer substrate further comprises a second surface contacting layer; wherein said second has a basis weight of at least about 5 gsm and comprises: (i) from about ~~0%~~ 10% to about 95%, by weight of said first surface contacting layer, of hydrophilic polypropylene fibers and mixtures thereof with other hydrophilic fibers, and (ii) from about 5% to about 100%, by weight of said first surface contacting layer, of hydrophobic fibers, wherein the total basis weight of said surface contacting layer(s) is from about 10% to about 95% of the total basis weight of said multi-layer substrate; wherein said first reservoir layer is positioned between said first surface contacting layer and said second surface contacting layer.
17. *(Previously presented)* The multi-layer substrate of Claim 16, wherein said multi-layer substrate consists of three layers.
18. *(Previously presented)* A premoistened wipe for cleaning a surface, said premoistened wipe comprising:
- (a) a multi-layer substrate according to Claim 1; and
 - (b) a liquid composition impregnated onto said substrate, said liquid composition comprising a surfactant system and/or a solvent system; wherein said surfactant system comprises a surfactant selected from the group consisting of anionic surfactants, nonionic surfactants, amphoteric surfactants, zwitterionic surfactants, and mixtures thereof.
19. *(Previously presented)* The premoistened wipe of Claim 18, wherein said liquid composition is loaded onto said substrate at a level of from about 50% to about 600%, by weight of said substrate.
20. *(Previously presented)* The premoistened wipe of Claim 19, wherein said liquid composition is loaded onto said substrate at a level of from about 100% to about 400%, by weight of said substrate.
21. *(Previously presented)* The premoistened wipe of Claim 20, wherein said liquid compositions is loaded onto said substrate at a level of from about 200% to about 350%, by weight of said substrate.

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22. *(Previously presented)* The premoistened wipe of Claim 18, wherein said surfactant is a nonionic surfactant.

23. *(Previously presented)* The premoistened wipe of Claim 22, wherein said nonionic surfactant is an alkoxylated nonionic surfactant having the formula:



wherein R is a C₆ to C₂₂ alkyl group; A is an ethoxy, propoxy, or butoxy group; and n is from about 0 to about 20.

24. *(Previously presented)* The premoistened wipe of Claim 23, wherein said R is a C₈ to C₂₂ alkyl group.

25. *(Previously presented)* The premoistened wipe of Claim 18, wherein said composition further comprises an organic acid.

26. *(Previously presented)* The premoistened wipe of Claim 25, wherein said organic acid is citric acid.

27. *(Previously presented)* The premoistened wipe of Claim 18, wherein said surfactant system comprises a nonionic surfactant and an amphoteric surfactant.

28. *(Previously presented)* The premoistened wipe of Claim 27, wherein said nonionic surfactant is an alkoxylated surfactant and said amphoteric surfactant is an amine oxide surfactant.

29. *(Previously presented)* A method of treating a surface with a composition, wherein said method comprises the step of contacting said surface with a premoistened wipe according to Claim 18.